

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	111	"3290946"   "3572552"   "3656351" "3760639"   "3855868"   "3945254" "3954014"   "3991617"   "4037464" "4052161"   "4099548"   "4237095" "4294125"   "4304138"   "4555957" "4567780"   "4599220"   "4801434" "4810348"   "5055263"   "5193403" "5347878"   "5370843"   "5381699" "5413006"   "5465629"   "5505097" "5614153"   "5670113"   "5700959" "5736105"   "5770159"   "5792424" "5964381"   "5983733"   "6019004" "6123905"   "6168761"   "6171553" "6197259"   "6199435"   "6235002" "6244119"   "6248295"   "6258324" "6365110"   "6372183"   "6372185" "RE32210").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/06 15:08
L2	5	1 and membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/06 15:09
L3	19	("3290946"   "3572552"   "3855868" "4801434"   "5055263"   "5381699" "6235002").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/06 15:11

S1	202	Massaro.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/08/18 00:15
S2	14	St and Peter.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/08/17 13:23
S3	69	("20010019845"   "20010036424"   "3568735"   "3744376" "3782682"   "3881846"   "3934611" "4119120"   "4148334"   "4262711" "4274452"   "4283008"   "4304257" "4451023"   "4532805"   "4771204" "4824072"   "4844872"   "4848722" "4852851"   "4858883"   "4906432" "4925153"   "5083742"   "5108067" "5154693"   "5176359"   "5197192" "5203368"   "5226462"   "5254311" "5277556"   "5343909"   "5496009" "5660370"   "5660728"   "5660792" "5697153"   "5743295"   "5758863" "5775371"   "5791375"   "5794641" "5834314"   "5836750"   "5839467" "5910244"   "5941501"   "5967163" "5971355"   "6007046"   "6012902" "6033911"   "6039211"   "6044876" "6068978"   "6074611"   "6089534" "6106245"   "6123316"   "6158712" "6176399"   "6202687"   "6240944" "6244119"   "6257268"   "6299028" "6416718"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:15

		"6506611").PN.				
S4	10	"5359433"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:15
S5	32	"5666443"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:15
S6	3	("5619347"   "5666443"   "5887125").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:16
S7	7	422/100 and dispenser with coupler	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:17
S8	6	"6506611"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/08/18 00:18
S9	4	selonoid near valve	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/08/18 00:18
S10	7	("4598840"   "5055263"   "5497670"   "5645723"   "5660792"   "5736105"   "5770860").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 00:24
S11	244	(dispenser\$2 or pipette \$2) and (membrane\$2 near4 valve\$2) and (piston\$2 or sping\$2 or syringe\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 00:26
S12	51	S11 and ("422" or "436" or "347")	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 00:26
S13	0	("6499515").URIPN.	USPAT	OR	OFF	2005/08/18 00:33
S14	2	("4459267"   "6039211").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 00:33
S15	12	("3188181"   "3261208"   "3837534"   "3951605"   "4478094"   "4875605"   "4944922"   "5411065"   "5759494"   "5939024").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 00:33
S16	13	("3188181").URIPN.	USPAT	OR	OFF	2005/08/18 00:57
S17	7	handy.xa. and micropump\$2	USPAT	OR	OFF	2005/08/18 00:58
S18	487	micropump\$2 and membrane	USPAT	OR	OFF	2005/08/18 00:58

S19	106	S18 and (plunger\$2 or cylinder\$2)	USPAT	OR	OFF	2005/08/18 01:06
S20	58415	(dispenser\$2 or pipette\$2 with ((membrane\$2 near5 valve) and (plunger\$2 or cylinder\$2)))	USPAT	OR	OFF	2005/08/18 01:07
S21	3774	S20 and "422"	USPAT	OR	OFF	2005/08/18 01:07
S22	27167	S20 and pressure	USPAT	OR	OFF	2005/08/18 01:07
S23	3774	S21 and "422"	USPAT	OR	OFF	2005/08/18 01:08
S24	2379	S21 and pressure\$2	USPAT	OR	OFF	2005/08/18 01:08
S25	1316	S24 and (robot\$2 or automat\$3)	USPAT	OR	OFF	2005/08/18 01:08
S26	249	Massaro.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/12/27 15:03
S27	20	S26 and Peter.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/12/27 15:03
S28	27	("3290946"   "3572552"   "3656351"   "3760639"   "3855868"   "3945254"   "3954014"   "3991617"   "4037464"   "4052161"   "4099548"   "4237095"   "4294125"   "4304138"   "4555957"   "4567780"   "4599220"   "4801434"   "4810348"   "5055263"   "5193403"   "5347878"   "5370843"   "5381699"   "5413006"   "5465629"   "5505097"   "5614153"   "5670113"   "5700959"   "5736105"   "5770159"   "5792424"   "5964381"   "5983733"   "6019004"   "6123905"   "6168761"   "6171553"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/12/27 15:13

		"6197259"   "6199435"   "6235002" "6244119"   "6248295"   "6258324" "6365110"   "6372183"   "6372185" "RE32210").PN. and plunger\$2				
S29	20	("3572552").URPN.	USPAT	AND	OFF	2006/12/27 15:15
S30	43	("20010036425"   "2463481"   "2475857" "2933376"   "3012863"   "3184122" "3192969"   "3219417"   "3273402" "3476518"   "3492876"   "3572552" "3581575"   "3632199"   "3645698" "4011685"   "4101283"   "4140020" "4295801"   "4459267"   "4475410" "4493896"   "4593728"   "4780833" "5104621"   "5226462"   "5341691" "5360596"   "5396812"   "5456879" "5525302"   "6006800"   "6019004").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/12/27 15:27
S31	43	("20010036425"   "2463481"   "2475857" "2933376"   "3012863"   "3184122" "3192969"   "3219417"   "3273402" "3476518"   "3492876"   "3572552" "3581575"   "3632199"   "3645698" "4011685"   "4101283"   "4140020" "4295801"   "4459267"   "4475410" "4493896"   "4593728"   "4780833" "5104621"   "5226462"   "5341691" "5360596"   "5396812"   "5456879" "5525302"	US-PGPUB; USPAT; USOCR	AND	OFF	2006/12/28 13:12

		"6006800"   "6019004").PN.				
S32	20	("3572552").URPN.	USPAT	AND	OFF	2006/12/28 13:18
S33	14	("2595493"   "3162456"   "3568735" "3572552"   "3650306"   "3807235" "3982089"   "3982438"   "4047438" "4158035"   "4444062"   "4461328").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/12/28 13:19
S34	68	("3568735").URPN.	USPAT	AND	OFF	2006/12/28 13:23
S35	69	("20010019845"   "20010036424"   "3568735"   "3744376" "3782682"   "3934611" "3881846"   "4119120"   "4148334"   "4262711" "4274452"   "4283008"   "4304257" "4451023"   "4532805"   "4771204" "4824072"   "4844872"   "4848722" "4852851"   "4858883"   "4906432" "4925153"   "5083742"   "5108067" "5154693"   "5176359"   "5197192" "5203368"   "5226462"   "5254311" "5277556"   "5343909"   "5496009" "5660370"   "5660728"   "5660792" "5697153"   "5743295"   "5758863" "5775371"   "5791375"   "5794641" "5834314"   "5836750"   "5839467" "5910244"   "5941501"   "5967163" "5971355"   "6007046"   "6012902" "6033911"   "6039211"   "6044876" "6068978"	US-PGPUB; USPAT; USOCR	AND	OFF	2006/12/28 13:44

		"6074611"   "6089534" "6106245"   "6123316"   "6158712" "6176399"   "6202687"   "6240944" "6244119"   "6257268"   "6299028" "6416718"   "6506611").PN.				
S36	11	("3784169"   "4008736"   "4168724" "4281683"   "4558845"   "4595565" "4597412"   "4668476"   "4773446" "4848387"   "4852851").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/12/28 13:47
S37	13	("5203368").URFN.	USPAT	AND	OFF	2006/12/28 13:48
S38	5	("5967163").URFN.	USPAT	AND	OFF	2006/12/28 14:16
S39	69	("20010019845"   "20010036424"   "3568735"   "3744376" "3782682"   "3881846"   "3934611" "4119120"   "4148334"   "4262711" "4274452"   "4283008"   "4304257" "4451023"   "4532805"   "4771204" "4824072"   "4844872"   "4848722" "4852851"   "4858883"   "4906432" "4925153"   "5083742"   "5108067" "5154693"   "5176359"   "5197192" "5203368"   "5226462"   "5254311" "5277556"   "5343909"   "5496009" "5660370"   "5660728"   "5660792" "5697153"   "5743295"   "5758863" "5775371"   "5791375"   "5794641" "5834314"   "5836750"   "5839467" "5910244"	US-PGPUB; USPAT; USOCR	AND	OFF	2006/12/28 14:16

		"5941501"   "5967163" "5971355"   "6007046"   "6012902" "6033911"   "6039211"   "6044876" "6068978"   "6074611"   "6089534" "6106245"   "6123316"   "6158712" "6176399"   "6202687"   "6240944" "6244119"   "6257268"   "6299028" "6416718"   "6506611").PN.				
S40	37	("3083943"   "3286977"   "3312238" "3477693"   "3600953"   "3749353" "3934611"   "4070004"   "4119120" "4168724"   "4239494"   "4259291" "4304257"   "4353243"   "4399362" "4479762"   "4517302"   "4581624" "4601881"   "4703913"   "4721133" "4848722"   "4852851"   "4853336" "4858833"   "4858883"   "5029805" "5045473"   "5149658"   "5203368" "5238223"   "5391353"   "5452878").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/12/28 14:32
S41	18196	(membrane\$2 or diaphragm\$2) and (plunger\$2 or piston \$2) and (actuator\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/12/28 16:14
S42	1316	S41 and (dispenser\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/12/28 14:33



S43	1239	S42 and pressure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/12/28 14:35
S44	520	S43 and deposit\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/12/28 14:35
S45	6	(membrane\$2 or diaphragm\$2) and (plunger\$2 near4 porous) and (actuator \$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/12/28 16:16
S46	27	(membrane\$2 or diaphragm\$2) and (moveable near4 filter \$2) and (actuator\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/12/28 16:19
S47	59	(dispenser\$2) and (membrane near4 valve \$2) and (switch\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/12/28 16:20
S48	27	("3650306"   "4461328"   "4498510"   "4511534"   "4537231"   "4621665"   "4626509"   "4985631"   "5186839"   "5516491"   "5851491"   "5853665"   "5874971"   "5916524"   "5927547"   "5935859"   "5976470"   "5988236"   "6033911"   "6045757"   "6063282"   "6083763"   "6165417"   "6203759"   "6309891"   "6575209"   "6620383").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/12/28 16:25
S49	17	("4985631").URFN.	USPAT	AND	OFF	2006/12/28 19:02

S50	41	"4488241"	USPAT	AND	OFF	2006/12/28 19:04
S51	20	"3290946"	USPAT	AND	OFF	2006/12/28 19:05
S52	20	"4801434"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/12/28 20:47
S53	25	"5525304"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/12/28 20:47
S54	5	("4472357"   "4698644"   "5525304"   "6001309"   "6110426").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/12/28 20:49
S55	38	"5525302"	US-PGPUB; USPAT; USOCR	AND	OFF	2006/12/28 20:49
S56	38	"5525302"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/01/03 12:57
S57	1	"20040018119"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/05 14:58
S58	46	"5525302"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/25 18:00
S59	166	(plunger and membrane near4 valve)) and ("222"/\$ or "347"/\$ or "422"/\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/25 18:09
S60	15	("4532805").URFN.	USPAT	OR	ON	2008/02/25 18:13

S61	82	( "20010005489"   "20010019845"   "20010036424"   "20010036425"   "20020159919"   "20040018119"   "20040089330"   "3568735"   "3744376" "3782682"   "3881846"   "3934611" "4119120"   "4148334"   "4262711" "4274452"   "4283008"   "4304257" "4451023"   "4459864"   "4532805" "4771204"   "4824072"   "4844872" "4848722"   "4852851"   "4858883" "4906432"   "4925153"   "5083742" "5108067"   "5154693"   "5176359" "5197192"   "5203368"   "5226462" "5254311"   "5277556"   "5343909" "5496009"   "5525302"   "5660370" "5660728"   "5660792"   "5736105" "5758863"   "5775371"   "5791375" "5794641"   "5834314"   "5836750" "5839467"   "5910244"   "5941501" "5967163"   "5971355"   "6007046" "6012902"   "6033911"   "6039211" "6044876"   "6068978"   "6074611" "6089534"   "6106245"   "6123316" "6132582"   "6143252"   "6158712" "6176399"   "6202687"   "6240944" "6244119"   "6257268"   "6280148" "6299028"   "6374683"   "6416718" "6506611"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/25 18:14
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"6551556"   "6637476" "6764648").FN.
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